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AUG 8 1917

C. A. C. BULLETIN

VOL. 12

MAY, 1916

NO. 2

SCHOOL OF AGRICULTURE

COURSE OF TWO YEARS



THE
CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONN.

Entered at Eagleville, Conn., as second-class matter.

THE CONNECTICUT AGRICULTURAL COLLEGE

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FLOYD W. DUFFEE, B. Sc. in Agr. *Instructor in Agronomy*
GEORGE SAFFORD TORREY, A. M. *Instructor in Botany*
GLENN HAROLD CAMPBELL, B. S. in Agr. *Instructor in Dairy Husbandry*

SCHOOL OF AGRICULTURE

TWO YEAR COURSE

PURPOSE

The School of Agriculture is designed to meet the needs of those who wish to obtain a practical education in agriculture without high school preparation, or who, for other reasons, do not care to pursue a full college course. The subject matter and the method of instruction will tend to develop in students a love for agriculture by showing them its possibilities, and will prepare them for successful farm life and useful citizenship.

ADMISSION REQUIREMENTS

For entrance to the School of Agriculture a certificate must be presented showing the completion of the eighth-grade work of the common school. Candidates must be at least 16 years old.

FEES AND EXPENSES

The entire expense of a student from the State of Connecticut need not exceed \$300 a year.

Tuition—No charge is made to students whose parents are legally residents of Connecticut. Students from outside the State are charged a tuition fee of \$30 a semester (\$60 per year).

Fees—All students will pay a fee of \$50 a semester to cover the cost of heat, light, breakage, laboratory fees and room rent. All fees must be paid before registration at the beginning of each semester.

Board—At present table board is furnished on the following plan. A minimum charge, based upon cost, is made for bread, butter, milk, vegetables, cake, sauce, service and other fixed charges. Meat, eggs, fish, fruit and dessert are served *a la carte*.

For such orders coupon books are used. These are sold for cash only at \$5 each, and are not transferable. The average cost of board has been about \$4.20 a week. No reduction is allowed for less than one week's continuous absence, and then only when notice is given in advance to the steward. Students are not allowed to board themselves in the dormitories.

Lodgings—The furniture provided in the dormitories for men consists of a three-quarter or single bed, mattress, table, wash stand, bureau, and chairs for each student; other articles are provided by the occupants. All students, accordingly, should provide themselves with other necessary articles of household furnishings.

Military Uniforms—A complete military uniform, including cap, coat, trousers, shirt, and gloves, is furnished at a cost of about \$17. This uniform must be worn at drill, inspection, and ceremonies. The suit is neat and serviceable and can be worn on any occasion. Measures are taken at the college, and orders are filled by some approved maker, who furnishes the suits at a considerable reduction from the usual retail rates.

Deposits—All students who intend to reside at the college are required to make a deposit of \$75 at the chief clerk's office on the date of registration. This sum may not be drawn upon until the end of the year, but it may then be applied to the bill of the last month, and any balance remaining will be returned.

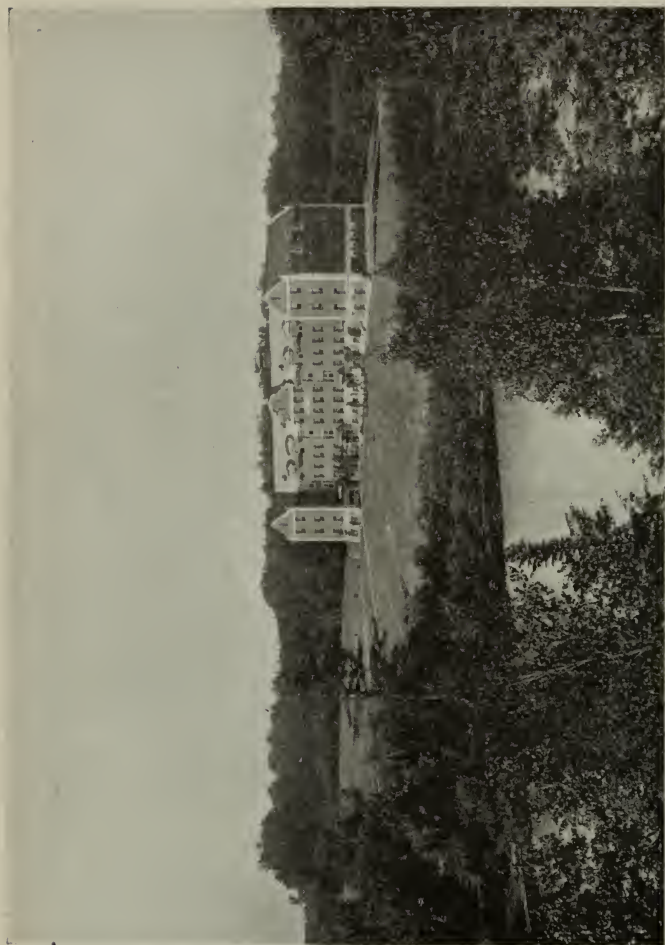
Payment of Bills—All bills are payable monthly. Making the required deposits, together with the prompt payment of bills as presented, obviates the necessity on the student's part of furnishing a bondsman, and affords a reasonable protection to the college in the matter of student accounts.

Books—The college furnishes text-books, stationery, and supplies at cost.

Laundry—A laundryman collects twice a week, and gives special rates to students.



ARMORY AND GYMNASIUM



STORRS HALL, MEN'S DORMITORY

SCHOOL OF AGRICULTURE

FIRST YEAR

Number.	Course.	Hours per week	
		First semester	Second semester
123	English	4	4
125	Public Speaking	1	1
115	Chemistry	4 (2)	
122	Farm Accounts	1 (2)	
104	Farm Dairving	2 (3)	
108	Poultry	3 (2)	
121	Carpentry	(3)	
113	Botany		2 (3)
116	Physics		3
117	Entomology		2 (2)
111	Horticulture 1		3 (2)
119	Forging		(3)
72	Drill	(3)	(3)
		<hr/>	<hr/>
		15 (15)	15 (13)

SECOND YEAR

112	Horticulture 2	3 (2)	3 (2)
105	Animal Feeding	2	
101	Soils and Fertilizers	2 (2)	
110	Animal Husbandry	2 (2)	
120	Farm Mechanics	1 (2)	
109	Veterinary Science	2	
124	English 2	2	
126	History and Civics	3	
103	Farm Management		3
102	Field Crops		2 (2)
106	Market Dairying or		
108a.	Poultry		2 (2)
107	Dairy Herd Management ..		3 (3)
114	Forestry		1 (3)
72	Drill	(3)	(3)
		<hr/>	<hr/>
		17 (11)	14 (15)

OUTLINES OF COURSES

SCHOOL OF AGRICULTURE

AGRONOMY

PROFESSOR SLATE, MR. SOUTHWICK, AND MR. DUFFEE

101. Soils and Fertilizers. *Second year, first semester.* An elementary course in soil management, the relation of crops to soils, and the nature and use of manures and fertilizers.

102. Field Crops. *Second year, second semester.* A course dealing with the field crops adapted to New England including the grains, forage crops, potatoes, and special crops.

103. Farm Management. *Second year, second semester.* A study of the business side of farming dealing with choice of region and farm, farm layout, labor, and equipment, cropping systems, and maintenance of fertility. At least one trip will be made to study some typical farms in Connecticut.

DAIRY HUSBANDRY

PROFESSOR WHITE, MR. JUDKINS, AND MR. CAMPBELL

104. Farm Dairying. *First year, first semester.* A study of milk, its secretion, character, and composition; practice in testing milk with the Babcock test, the lactometer, and various acid tests; a study of hand-power separators, their construction and method of running; practice in separating milk. Butter making, including methods of ripening cream, churning, washing, salting, and packing butter; general principles of cheese making with practice in making a few kinds of soft cheese; ice cream making.

105. Animal Feeding. *Second year, first semester.* A study of the composition of feeding stuffs; standard rations for farm animals, including horses, cattle, sheep and swine; methods of feeding and caring for farm animals.

106. Market Dairying. *Second year, second semester.* This is a study of approved methods of producing and handling milk for direct consumption; requirements of city boards of health and states for sanitary milk; rules and methods of inspection of dairy plants and milk depots; production of certified milk.

107. Dairy Herd Management. *Second year, second semester.* A study of the origin, development, and characteristics of the dairy breeds; methods of registration and requirements for advanced registry; selection, feeding and handling of the dairy calf, the bull, and the mature cow. Practice in scoring cattle by use of the score card, and comparative judging of animals.

POULTRY HUSBANDRY

PROFESSOR KIRKPATRICK AND MR. WARNER

108. Poultry Culture. *First year, first semester.* Text books and lectures. This course, including both the topics discussed and the laboratory work, is very similar to Course 1 for college freshmen.

108a. Poultry Management. *Second year, second semester.* Text books and lectures. The course continues and amplifies course 108, which is prerequisite. It is designed to acquaint the student with the essential details of planning and managing commercial poultry plants.

VETERINARY SCIENCE

DOCTOR DOW

109. Veterinary Science. *Second year, first semester.* Anatomy and physiology of the digestive and respiratory systems. Special pathology. Disease and treatment: a general study of the common diseases of domestic animals, with treatment that may be safely used by the herdsman; special diseases of the dairy cow and young calves; prevention and treatment of the common contagious and parasitic diseases. Surgery: castration, dehorning, general care and treatment of wounds and injuries.

ANIMAL HUSBANDRY

MR. GARRIGUS

110. Animal Husbandry. *Second year, first semester.* The principles of breeds and type of domestic animals are studied with reference to their origin, history, development, characteristics, etc., more especially with reference to utility. Plumb's "Types and Breeds of Farm Animals" and Craig's "Stock Judging" are used as text books. The laboratory work consists of judging and scoring animals of various types which are brought before the class.

HORTICULTURE

MR. STEVENS AND MR. HOLLISTER

111. Horticulture 1. *First year, second semester.* Includes the divisions and foundations of horticulture, propagation of plants by various methods, seed inspection and identification, and seed germination.

Location and soils for market gardening and trucking, location and planning of home gardens; planting, cultivation, harvesting, storing and marketing of the principal vegetable crops.

112. Horticulture 2. Fruit Growing. *Second year, both semesters.*

The work of this course covers the several phases of fruit growing. The beginning of the first semester fruit harvesting and handling are taken up, followed by the study of the locations, soils, sites, propagation, cultivation and handling of nursery stock; laying out and setting orchards, pruning, fertilization and cover crops, also a study of varieties and scoring of fruits.

The second semester continues the work on small fruits, their propagation, soils, locations, fertilizers, cultivation, harvesting, varieties, etc. A study of the common spray materials, pumps, etc., also the more common diseases and methods of control occupies the remainder of the year.

Laboratory is actual work in the orchard as far as is possible.

BOTANY

PROFESSOR SINNOTT AND MR. TORREY

113. Botany. *First year, second semester.* An elementary course in the structure, work, and systematic classification of plants with especial reference to economic forms.

FORESTRY

MR. MOSS

114. Forestry. *Second year, second semester.* An elementary course designed primarily to familiarize the student with the chief trees of economic importance in the state, and to give approved methods of handling a woodlot, with some idea of timber measurement and the general problems of forestry management and protection.

CHEMISTRY

PROFESSOR NEWTON AND MR. HUGHES

115. Chemistry. *First year, first semester.* This course is devoted to a careful study of the more important fundamental principles of inorganic chemistry and of the practical applications of the science to the problems of every-day life.

PHYSICS

PROFESSOR WHEELER

116. Physics. *First year, second semester.* The mechanics of solids, liquids, and gases are studied with a view to enlarging the student's understanding of the phenomena of nature, with more adequate treatment of such subjects as have a direct bearing on agricultural and home economics.

NATURAL HISTORY

MR. MANTER

117. Entomology. *First year, second semester.* This course in entomology deals in an elementary way with the anatomy, classification and behavior of insects. Special emphasis is laid upon the life histories and control measures of the most important insect pests. Field trips are taken to enable the student to study types of insect injury and the insects causing the damage. The aim of the course is to enable the student to fight intelligently the many insect enemies found upon every farm.

FORGING

PROFESSOR FITTS

119. Forging. *First year, second semester.* The exercises consist of drawing, bending, and welding of iron, and the forging, filing and tempering of steel.

FARM MECHANICS

PROFESSOR FITTS AND MR. DUFFEE

120. Farm Mechanics. *Second year, first semester.* A course deal with the use and care of farm tools and machinery, including a study of the mechanical principles involved in the mechanical operations of the farm.

CARPENTRY

MR. BLAKE

121. Carpentry. *First year, first semester.* Cost, care, and use of tools; making of various joints; rafter cutting; plank construction, and the making of useful farm appliances to be ironed later in the forging shop.

FARM ACCOUNTS

PROFESSOR WHEELER

122. Farm Accounting. *First year, first semester.* This course will cover practical farm accounting operations, using the double entry method, and will give practice in the arithmetic of farm work.

ENGLISH AND PUBLIC SPEAKING

MISS WALLACE

123. English 1. *First year, two semesters.* This course aims to develop good English usage. Special attention will be given to the practical application of the principles of composition. Text book—"Manual of Composition and Rhetoric"—Gardiner, Kittredge and Arnold.

124. English 2. *Second year, one semester.* The object of this course will be to familiarize the students with types of literature applicable to their needs and interests. A certain amount of outside reading will be required of the students.

125. Public Speaking. *First year, two semesters.* Fundamental work in voice and body. Practical application in extemporaneous speaking and debating. No text book used.

HISTORY AND CIVICS

PROFESSOR MONTEITH

126. History and Civics. *Second year, first semester.* History of the United States, with special reference to political questions, and the development of the West. One hour a week. Civics. The constitution, the Town, and a general view of the Federal and State governments, and their relations. Two hours a week, lectures and quizzes.

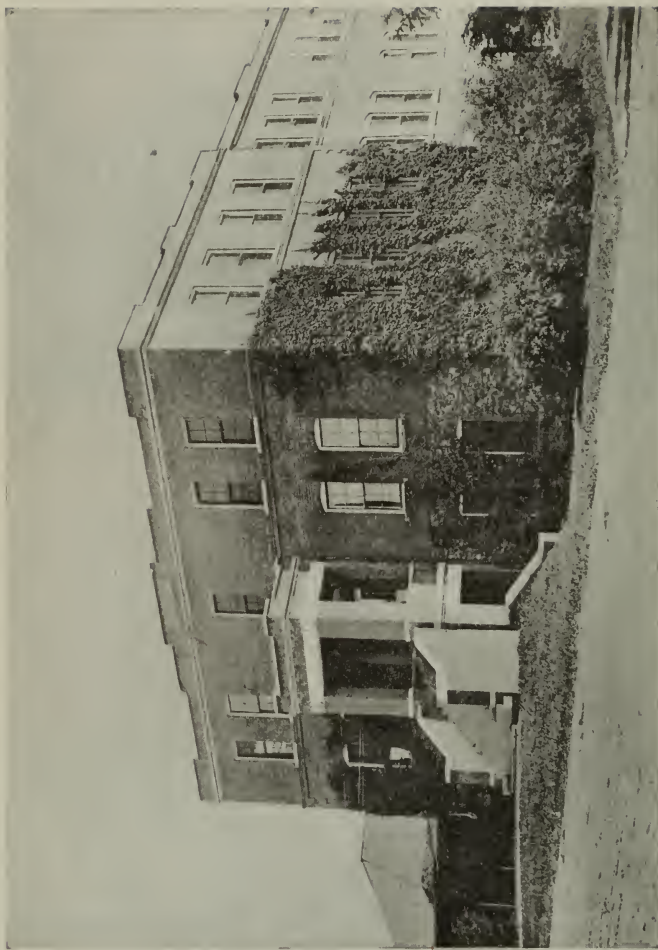
PHYSICAL EDUCATION

Gymnasium and Hygiene. First Year. 2 hours a week. The work in gymnastics combines general exercise and recreation with instruction in the use of gymnastic apparatus. Calisthenics, Indian Club and Dumb-bell drills, In-door and Out-door Games and Athletics are given. The work in hygiene includes lectures on Care of the Body, First Aid Practise, Public Health Problems.

Gymnastics and Athletics. Second Year. 2 hours a week (Nov. 15 to Easter). Advanced work on the apparatus. Wand drills and gymnastic dancing. Athletics suitable for all and how to direct same. Elementary instruction in leadership of play and group activities.



STOCK JUDGING



DAIRY BUILDING

APPLICATION BLANK

Name in full

Date of birth

Residence

Name of parent or guardian

Address of parent or guardian

Date of application

School last attended

Amount of work completed there

First semester begins Tuesday, September 12, 1916



THE CONNECTICUT AGRICULTURAL COLLEGE
STORRS, CONNECTICUT

Four-year course in agriculture for graduates of secondary schools. Degree of B. S.

Two-year school of agriculture open to those who have had a common school education.

Two-year school of mechanic arts for graduates of secondary schools.

Four-year course in home economics for graduates of secondary schools. Degree of B. S.

Two-year school of home economics open to those who have had a common school education.

Anyone interested in the above mentioned courses is invited to send for a catalogue giving complete information.

CHARLES L. BEACH, *President.*

STORRS, CONN.